¡Felicitaciones! ¡Aprobaste!

Calificación recibida 100 % Para Aprobar 80 % o más

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Week 4 Quiz

Calificación de la entrega más reciente: 100 %

1. How do you add a 1 dimensional convolution to your model for predicting time series data? 1 / 1 punto

- (•) Use a Conv1D layer type
- ( ) Use a Convolution1D layer type
- ( ) Use a 1DConv layer type
- ( ) Use a 1DConvolution layer type

Correcto

2. What's the input shape for a univariate time series to a Conv1D? 1 / 1 punto

- (•) [None, 1]
- ( ) [1]
- ( ) [1, None]
- ( ) []

Correcto

3. You used a sunspots dataset that was stored in CSV. What's the name of the Python library used to read CSVs? 1 / 1 punto

- ( ) PyCSV
- ( ) CommaSeparatedValues

- (●) CSV
- ( ) PyFiles

Correcto

4. If your CSV file has a header that you don't want to read into your dataset, what do you execute before iterating through the file using a 'reader' object? 1 / 1 punto

- ( ) reader.read(next)
- ( ) reader.ignore_header()
- (●) next(reader)
- ( ) reader.next

Correcto

5. When you read a row from a reader and want to cast column 2 to another data type, for example, a float, what's the correct syntax? 1 / 1 punto

- ( ) float f = row[2].read()
- ( ) Convert.toFloat(row[2])
- (●) float(row[2])
- ( ) You can't. It needs to be read into a buffer and a new float instantiated from the buffer

Correcto

6. What was the sunspot seasonality? 1 / 1 punto

- ( ) 11 years

- (●) 11 or 22 years depending on who you ask
- ( ) 22 years
- ( ) 4 times a year

Correcto

7. After studying this course, what neural network type do you think is best for predicting time series like our sunspots dataset? 1 / 1 punto

- (●) A combination of all of the above
- ( ) RNN / LSTM
- ( ) DNN
- ( ) Convolutions

Correcto

8. Why is MAE a good analytic for measuring accuracy of predictions for time series? 1 / 1 punto

- ( ) It biases towards small errors
- ( ) It only counts positive errors
- ( ) It punishes larger errors
- (●) It doesn't heavily punish larger errors like square errors do

Correcto